

Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of claims in this application.

1. **(Currently Amended)** A method of releasing ~~delivering a ligand~~ an oligonucleotide ~~to~~ from an endosome in a cell comprising:
- a. contacting ~~a~~ the cell with ~~a~~ the oligonucleotide ~~ligand~~ and a fluorophore such that the oligonucleotide and the fluorophore are present in an endosomal vesicle in the cell; and
 - b. illuminating the cell with ~~a~~ light at a wavelength that activates the fluorophore such that the oligonucleotide ~~ligand~~ is released from the endosome. ~~delivered to the cell.~~
2. **(Currently Amended)** The method of claim 1, wherein the ~~ligand~~ oligonucleotide is ~~an~~ a double stranded oligonucleotide.
- 3-11 **(Canceled)**.
12. **(Original)** The method of claim 1, wherein the cells are illuminated for less than about 2 minutes.
13. **(Original)** The method of claim 1, wherein the cells are illuminated for less than about 1 minute.
14. **(Original)** The method of claim 1, wherein the light of step (b) is produced from a flexible endoscopic light source.

15. **(Currently Amended)** The method of claim ~~43~~ 4, wherein the fluorophore ~~and~~ is linked to the complex ligand ~~are linked~~ via a covalent linkage.

16. **(Original)** The method of claim 1, wherein the fluorophore is a fluorescein fluorophore.

17. **(Original)** The method of claim ~~43~~ 4, wherein the fluorophore and the complex ligand ~~are~~ are contacted with the cell simultaneously.

18. **(Currently Amended)** A method of releasing ~~delivering ligands~~ an oligonucleotide to from an endosome in a cell, wherein the oligonucleotide is linked to a fluorescently labeled polypeptide to form a complex, comprising:

- a. exposing a cell to a medium containing the ligands complex ~~and fluorophores wherein the ligands and fluorophores are not covalently linked,~~ such that the complex is present in an endosomal vesicle in the cell; and
- b. illuminating the cell with a light at a wavelength that activates the ~~fluorophores~~ fluorescent label such that the oligonucleotide is ~~ligands are~~ released from the endosome. ~~delivered to the cell.~~

19-23 **(Canceled)**.

24. **(Currently Amended)** The method of claim ~~18~~ 19, wherein the fluorescent oligonucleotides are present in step (a) at a concentration of over 300 μ M.

25. **(Currently Amended)** The method of claim ~~18~~ 19, wherein the fluorescent oligonucleotides are present in step (a) at a concentration of over 500 μ M.

26.- 42. (Canceled)

43. (New) The method of claim 1, wherein the oligonucleotide is present in a complex comprising the oligonucleotide linked to a moiety that facilitates delivery of the oligonucleotide to a cell.

44. (New) The method of claim 1, wherein the oligonucleotide comprises between about 20 and about 30 nucleomonomers.

45. (New) The method of claim 43, wherein the moiety is a polypeptide comprising basic amino acid residues.

46. (New) The method of claim 43, wherein the moiety is a polypeptide comprising an amino acid sequence from a polypeptide selected from the group consisting of: antennapedia, transportan, and HIV tat.

47. (New) The method of claim 43, wherein the moiety is covalently linked to the oligonucleotide.

48. (New) The method of claim 43, wherein the moiety is non-covalently linked to the oligonucleotide.

49. (New) The method of claim 18, wherein the oligonucleotide is double stranded.

50. (New) The method of claim 18, wherein the oligonucleotide comprises between about 20 and about 30 nucleomonomers.

51. **(New)** The method of claim 18, wherein the fluorescently labeled polypeptide is covalently linked to the oligonucleotide.
52. **(New)** The method of claim 18, wherein the fluorescently labeled polypeptide is non-covalently linked to the oligonucleotide.
53. **(New)** The method of claim 18, wherein the polypeptide comprises basic amino acid residues.
54. **(New)** The method of claim 18, wherein the polypeptide comprises an amino acid sequence from a polypeptide selected from the group consisting of: antenapedia, transportan, and HIV tat.